

X15478.ST25.txt
SEQUENCE LISTING

<110> Eli Lilly and Company

<120> Use of Resistin to Treat Hematopoietic Disorders

<130> X15478

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 327

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)..(327)

<223> Human Resistin Polynucleotide

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ctgtgctcca tggaagaagc catcaatgag aggatccagg aggtcgccgg ctccctaata 120
tttagggcaa taagcagcat tggcctggag tgccagagcg tcacctccag gggggacctg 180
gctacttgcc cccgaggctt cgccgtcacc ggctgcactt gtggctccgc ctgtggctcg 240
tgggatgtgc gcgccgagac cacatgtcac tgccagtgcg cgggcatgga ctggaccgga 300
gcgcgctgct gtcgtgtgca gccctga 327

<210> 2

<211> 108

<212> PRT

X15478.ST25.txt

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (1)..(108)

<223> Human Resistin Polypeptide

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Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
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Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

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<211> 90

<212> PRT

<213> Homo sapiens

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<222> (1)..(90)

<223> Mature Human Resistin Polypeptide

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<400> 3

Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile Gln Glu
 1 5 10 15
 Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Leu Glu
 20 25 30
 Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg Gly
 35 40 45
 Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp Asp
 50 55 60
 Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp Trp
 65 70 75 80
 Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
 85 90

<210> 4

<211> 108

<212> PRT

<213> Homo sapiens

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<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 4

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 1 5 10 15
 Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
 20 25 30
 Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
 35 40 45
 Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
 50 55 60

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Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 5

<211> 108

<212> PRT

<213> Homo sapiens

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<221> MISC_FEATURE

<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 5

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 6

X15478.ST25.txt

<211> 108

<212> PRT

<213> Homo sapiens

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<222> (1)..(108)

<223> Human Resistin Allelic Variant

<400> 6

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30

Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45

Arg Gly Ser Glu Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60

Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80

Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95

Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 7

<211> 107

<212> PRT

<213> Homo sapiens

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<222> (1)..(107)

X15478.ST25.txt

<223> Human Resistin Allelic Variant

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<222> (48)..(48)

<223> Xaa=Arg or Leu

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<221> MISC_FEATURE

<222> (49)..(49)

<223> Xaa=Gly or Glu

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<221> MISC_FEATURE

<222> (50)..(50)

<223> Xaa=Cys or Ser

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<221> MISC_FEATURE

<222> (51)..(51)

<223> Xaa=Gln or Glu

<400> 7

Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
 1 5 10 15

Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Gln
 20 25 30

Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly Xaa
 35 40 45

Xaa Xaa Xaa Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro Arg
 50 55 60

Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser Trp
 65 70 75 80

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Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met Asp
85 90 95

Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 8

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 8
gatcggcgcg ccagccacca tgaaagctct ctgtctcct

39

<210> 9

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 9
cgcgatatcg ggctgcacac gacagcagc

29

<210> 10

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 10
agccatcaat gagaggatcc a

21

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<210> 11

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 11

tccaggccaa tgctgcttat

20

<210> 12

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Construct

<400> 12

tcgccggctc ctaatattta gggc

24

<210> 13

<211> 114

<212> PRT

<213> rattus sp.

<220>

<221> MISC_FEATURE

<222> (1)..(114)

<223> Rat resistin protein

<400> 13

Met Lys Asn Leu Ser Phe Leu Leu Leu Phe Leu Phe Phe Leu Val Leu
1 5 10 15

Gly Leu Leu Gly Pro Ser Met Ser Leu Cys Pro Met Asp Glu Ala Ile
20 25 30

X15478.ST25.txt

Ser Lys Lys Ile Asn Gln Asp Phe Ser Ser Leu Leu Pro Ala Ala Met
 35 40 45

Lys Asn Thr Val Leu His Cys Trp Ser Val Ser Ser Arg Gly Arg Leu
 50 55 60

Ala Ser Cys Pro Glu Gly Thr Thr Val Thr Ser Cys Ser Cys Gly Ser
 65 70 75 80

Gly Cys Gly Ser Trp Asp Val Arg Glu Asp Thr Met Cys His Cys Gln
 85 90 95

Cys Gly Ser Ile Asp Trp Thr Ala Ala Arg Cys Cys Thr Leu Arg Val
 100 105 110

Gly Ser

<210> 14

<211> 114

<212> PRT

<213> mus sp.

<220>

<221> MISC_FEATURE

<222> (1)..(114)

<223> Mouse resistin protein

<400> 14

Met Lys Asn Leu Ser Phe Pro Leu Leu Phe Leu Phe Phe Leu Val Pro
 1 5 10 15

Glu Leu Leu Gly Ser Ser Met Pro Leu Cys Pro Ile Asp Glu Ala Ile
 20 25 30

Asp Lys Lys Ile Lys Gln Asp Phe Asn Ser Leu Phe Pro Asn Ala Ile
 35 40 45

Lys Asn Ile Gly Leu Asn Cys Trp Thr Val Ser Ser Arg Gly Lys Leu
 50 55 60

X15478.ST25.txt

Ala Ser Cys Pro Glu Gly Thr Ala Val Leu Ser Cys Ser Cys Gly Ser
65 70 75 80

Ala Cys Gly Ser Trp Asp Ile Arg Glu Glu Lys Val Cys His Cys Gln
85 90 95

Cys Ala Arg Ile Asp Trp Thr Ala Ala Arg Cys Cys Lys Leu Gln Val
100 105 110

Ala Ser